

7105 Principles of Agriculture, Food & Natural Resources

Credit: 1

Prerequisite: None

Agriculture is not just “cows, sows and plows”. Discover how plant and animal science are a vital part of our lives. Research which laws, regulations, and policies are in place to bring food safely from the field to your table. Learn leadership, record-keeping skills and have the opportunity to raise an animal as a FFA member.

7150C Agricultural Mechanics & Metal Technologies

Credit: 1

Prerequisite: Principles of Agriculture, Food & Natural Resources

Looking for hands-on innovative new ways to learn about welding? Then this is the class for you! In this class you will be introduced to various skills in metal fabrication including oxyacetylene, plasma arc cutting, arc, MIG, and TIG welding applications. Instructor will provide industry standard training. This course can earn college credit based on Articulation agreements, which are subject to change.

7160C Agricultural Structures Design & Fabrication

Credit: 1

Prerequisite: Principles of Agriculture, Food & Natural Resources; Agricultural Mechanics & Metal Technologies recommended

Fine tune your welding skills, while preparing for an industry certification that will make you employable in the real world. Instructor will provide industry standard training and students will work towards AWS certification. This course can earn college credit based on Articulation agreements, which are subject to change.

7181C Welding I

Credit: 2

Prerequisite: Agriculture /Mechanics & Metal Technologies

Here's your next step in your welding pathway. This course is designed to continue to advance your welding skills. Instructor will provide industry standard training and students will work toward AWS certification. This course can earn college credit based on Articulation agreements, which are subject to change.

8360C Principles of Technology (Physics credit, student cannot earn credit for both Physics and Principles of Technology)

Credit: 1

Prerequisite: Biology and Algebra II or concurrent enrollment in Algebra II.

If you are interested in the Dual Credit programs at TSTC or WCJC, then this is the course for you. This course is an extensive hands-on course designed to provide a study in force, work, rate, resistance, energy, power and force transformers as applied to mechanical, fluid, thermal, and electrical energy that comprise simple technological devices and equipment. The course can be taken for physics graduation credit, is a Career and Technical Education funded course, and requires 40% laboratory and fieldwork requirements. This course can earn college credit based on Articulation agreements, which are subject to change.

7108AD Introduction to Process Technology – Dual with WCJC

Credit: 1 (Fall)

Prerequisite: Principles of Agriculture, Food, & Natural Resources; Principles of Technology or concurrent enrollment

This course is an introductory overview of the various processing industries. Students will be introduced to chemical and plant refinery, plant operations, as well as the various career fields in the process technology industry. Topics include, process technician duties, responsibilities and expectations, plant process and utility systems, and the mental requirements to be a process technician. Learn about the advanced technology in the area of process operations at petrochemical, refining companies, and other industries. Student must complete WCJC online application; provide Permit to Register and transcripts. See WCJC for additional enrollment and orientation process requirements. Transportation available. *Not all Dual Credit courses are offered at all campuses. This course is not eligible for semester exam exemptions.

7109BD Petrochemical Safety, Health, and Environment – Dual with WCJC

Credit: 1 (Spring)

Prerequisite: Introduction to Process Technology

This course is an overview of safety, health, and environmental issues in the performance of all job tasks in petrochemical environments. Learn to identify safe and environmentally sound work habits in the performance of all job tasks and regulatory compliance issues. Student must complete WCJC online application; provide Permit to Register and transcripts. See WCJC for additional enrollment and orientation process requirements. Transportation available. *Not all Dual Credit courses are offered at all campuses. This course is not eligible for semester exam exemptions.